

MATERIAL SAFETY DATA SHEET

COPPERBOND®

1. General

Date Prepared: January 1, 2004

Trade Name COPPERBOND® EPOXY

Manufacturer's Name THE NOBLE COMPANY

Address 7300 Enterprise Drive
Spring Lake, MI 49456

Emergency Telephone Number (231) 799-8000

Telephone Number for Information (231) 799-8000

2. Hazardous Ingredients/Identity Information

Hazardous Components
(Specific Chemical Identity;

Common Names(s)	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED	% (optional)
*Epoxy Resin	Not Established			
*Polymeric Hardener	Not Established			

*Exact identity withheld as a trade secret.

3. Physical/Chemical Characteristics

Boiling Point	Specific Gravity (H ₂ O = 1)	Vapor Pressure (mm Hg.)	Melting Point
Greater than 200° C.	Approximately 1.2	N/A	N/A

Vapor Density (AIR = 1)	Evaporation Rate (Butyl Acetate = 1)	Solubility in Water
N/A	Decomposition Temperature Greater Than 200° C.	Negligible

Appearance and Odor Resin – White Paste Hardener – Light Brownish Yellow Paste Slight Odor

4. Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits
480° F. Closed Cup	Not Available

Extinguishing Media
WATER, FOAM, DRY CHEMICAL, CO₂

Special Fire Fighting Procedures
NONE NECESSARY

Unusual Fire and Explosion Hazards
NONE EXPECTED

5. Reactivity Data

STABILITY	Unstable	Conditions to Avoid
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Stable	X
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Incompatibility (Materials to Avoid)

Do not use other than for intended purposes.

Hazardous Decomposition or Byproducts

None Expected.

Hazardous Polymerization**May Occur****Will Not Occur** X**6. Health Hazard Data**

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Not likely	Yes	Yes

Health Hazards (Acute and Chronic)

MAY PRODUCE AN ALLERGIC REACTION SUCH AS A RASH IF IT IS MISUSED.

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	No	No	No

Signs and Symptoms of Exposure

A RASH MAY APPEAR AT POINT OF CONTACT.

Medical Conditions Generally Aggravated by Exposure

EXISTING ALLERGIES AND SKIN CONDITIONS.

Emergency and First Aid Procedures

EYES – FLUSH WITH WATER, SEEK MEDICAL ATTENTION. SKIN – WASH WITH SOAP AND WATER.

INGESTION – DO NOT INDUCE VOMITING, SEEK MEDICAL ATTENTION.

7. Precautions for Safe Handling and Use**Steps to Be Taken in Case Material Is Released or Spilled**

CLEAN UP SPILL AND DISPOSE OF PROPERLY.

Waste Disposal Method

MIX MATERIAL IN ORDER TO CURE. DISPOSE OF AS NON-HAZARDOUS SOLID WASTE.

Precautions to Be Taken in Handling and Storing

USE GOOD HOUSEKEEPING PROCEDURES.

8. Control Measures**Respiratory Protection (Specify Type)**

None necessary.

VENTILATION	Local Exhaust
	Not needed

Protective Gloves

Any type of work gloves will suffice

Eye Protection

Safety glasses or goggles

Other Protective Clothing or Equipment

Not necessary

Work/Hygienic Practices

USE ACCORDING TO DIRECTIONS.

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